AUTHOR INDEX

VOLUME 19

Aalund, Ole, 757
Acres, S. D., 388
Adams, Frederick, 122
Adams, Linda B., 181
Ahearn, D. G., 412
Ahluwalia, Gurmukh S., 439
Aldridge, Kenneth E., 703
Alexander, Bruce, 853
Al-Jumaili, Ibrahim J., 77
Amsterdam, Daniel, 347
Anderson, Larry J., 934
Andrews, Dan, 546
Angarano, Gioacchino, 905
Anstey, Rosemary J., 245
Appelbaum, Peter C., 164, 588
Armstrong, Alan S., 399
Armstrong, Donald, 766
Arnow, Paul M., 668

Bacchelli, Mario, 931
Backes, Barbara A., 744
Baesman, Robert K., 550
Bailey, Robert, 57
Baker, John S., 875
Balston, Edeltraude, 73
Bång, Barbro E., 129
Bång, Heinz, 215
Barlough, Jeffrey E., 442
Barnes, Graeme L., 447
Barrett, Timothy J., 197
Barry, Arthur L., 134, 311, 555, 777
Bartholomew, William R., 347
Bartlett, John G., 645
Bartlett, Raymond C., 300
Barton, Lesley, 541
Battaglia, Massimo, 273
Baxby, Derrick, 566
Bayardelle, P., 240
Beards, G. M., 248
Becker-Boost, Elizabeth, 204
Beebe, James L., 789
Benson, Robert F., 286
Berkhoff, Herman A., 477
Berman, Marjorie, 714
Bettelheim, K. A., 408
Betts, Robert F., 361
Beutin, Lothar, 371
Bibb, William F., 468, 794
Biberstein, Ernst L., 610
Bille, Jacques, 126
Bingham, P. G., 826
Bishop, Ruth F., 447
Bjorvatn, Bjarne, 763
Blacklow, Neil R., 888
Blake, Paul A., 197, 296
Blumer, Sharon O., 404
Blundell, N., 566
Bode, Liv, 371
Bohl, Edward H., 105
Bohnhoff, Marjorie, 338
Bolton, F. J., 169
Bondi, James M., 191
Bonin, Paul, 218, 399
Booth, Jim C., 511
Borowski, Robert S., 736
Boshard, Rebecca, 742
Bottone, Edward J., 44, 122
Bowen, G. Stephen, 81
Boyce, John M., 813
Boyd, V. Ann, 651
Bradbury, W. C., 342
Brandt, James A., 147
Brenner, Don J., 30, 460
Britt, Eugene M., 744
Britt, Lois E., 576
Broderson, J. Roger, 804
Bronsdon, Melinda A., 952
Brouillard, J. A., 902
Brown, Arnold, 326
Brown, Susan L., 468
Browne, Kathleen, 649
Bruce, Tobias, 417
Bruckner, David A., 928
Brunell, Philip A., 376
Brunson, Diane H., 853
Bryan, L. E., 558
Bryant, Trevor N., 175
Bryson, Yvonne J., 928
Buggy, Brian P., 947
Buranosky, T., 552
Bürger, Heinz, 215
Burke, D., 896
Burke, Valerie, 39
Burkhardt, Felix, 870
Butzler, Jean-Paul, 940

Calderwood, Stephen B., 707
Callaway, Carey S., 116
Callihan, Donald R., 563
Campbell, A. D., 248
Cannon, Harold J., 333
Carandina, Gianni, 931
Carey, Roberta B., 634
Carruthers, M. M., 552
Carson, Mara, 899
Castellano, G., 89
Cavalieri, Stephen J., 744
Chaicumpa, Wanpen, 489
Chan, R., 8
Chandler, Francis W., 804
Charilaou, Charilaos C., 68
Chase, Walter F., 538
Chaurushiya, Purnima S., 588
Chen, Kirk C. S., 818
Chen, Ming H., 857
Chengappa, M. M., 427
Chernesky, M., 937
Chiba, Yasuo, 579
Chityothin, Oralak, 489
Chowdhury, S., 298
Christensson, Bertil, 680
Chu, Albert, 380
Chubb, Hilary, 294
Cipriani, Elizabeth, 447
Cipriani, Paola, 838
Cluss, Robert G., 543
Coates, D., 169
Cobbs, C. Glenn, 26
Cohen, Jay O., 576
Cohen, Mitchell L., 100
Colavita, Maryann T., 435
Cole, Barbara, 399
Cole, Hugh B., 48
Collart, Frederic, 568
Collins, Michael T., 757
Coloe, P. J., 896
Compere, A., 902
Congi, Rosa V., 342
Cooligan, Terrance G., 30
Coombs, R. A., 826
Coombs, Richard A., 934
Coonrod, J. Donald, 361
Cooper, B. H., 853
Cooper, Margaret, 39
Coopes, Susan, 893
Corman, Katherine E., 191
Costerton, J. W., 8, 687
Costerton, J. William, 911
Costigan, William J., 301
Cottrell, N. R., 248
Coulet, Michèle, 140
Cox, Donald, 844
Crist, Rosemary, 164
Crouch, C. F., 388
Cukor, George, 888
Cummins, J. M., 492
Cundy, Kenneth R., 68

Dalrymple, Joel M., 651
Daly, Judy A., 742
D'Amato, Richard F., 733
Das, P., 298
de Boeck, Marcel, 940
de Hidalgo, Julia Liceras, 944
Dejaegher-Bauduin, Christine, 568
de Repentigny, Louis, 804
Desmond, Edward P., 122
Dezfulian, Manouchehr, 645
Didier, F., 571
DiGiacomo, Ronald F., 710
Dilbeck, Patricia W., 705
Dillon, Linda K., 473
DiSalvo, Arthur F., 281
Dixon, Dennis, 54
Dodd, Jane S., 899
Donetz, Anthony P., 1
Douglas, Steven D., 457
Dowda, Harold, 281
Dowling, John N., 723
Downing, Marian M., 492
Doyle, Ronald J., 48, 383,594
Dratwa, Max, 568
Drow, Doris L., 79
Dryja, Diane, 187
Duffett, Anneliese, 164, 588
DuPont, Herbert L., 210
Dupuis, Kent W., 606
Dylewski, Joe S., 200
Dzink, JoAnn L., 599

Ebersole, J. L., 639
Echeverria, Peter, 39, 489
Eckels, Kenneth H., 651
Edberg, Stephen C., 60, 172
Ederer, Mary N., 464
Ederer, Mary Neils, 502
Edman, David C., 305
Edson, Randall S., 126
Edwards, Larry D., 949
Ekwall, Erik, 699
Elliott, Ann M., 26
Emmerich, P., 664
Engert, Richard F., 798
Espersen, Frank, 680
Eveland, William G., 561
Everard, C. O. R., 946
Ewing, Edwin P., 116
Ezzell, John W., Jr., 48, 594

Facklam, Richard R., 366
Fackrell, Hugh B., 394
Fadda, Giovanni, 720
Fagerland, Jane A., 623
Farmer, J. J., III, 460
Fay, David, 54
Feeley, James C., 81
Fennell, Cynthia, 399
Ferguson, Richard W., 85
Ferrieri, Patricia, 506
Fey, H., 34
Fiacco, Violet, 928
Finger, Horst, 204
Fischer, Gisela S., 435
Fleurette, Jean, 140
Flewett, T. H., 248
Flores, Jorge, 516
Focá, Alfredo, 838
Forbes, Betty Ann, 947
Forghani, Bagher, 606
Forsyth, William, 294
Fouace, Jeanne M., 417
Fox, Alvin, 326
Francis, Donald P., 521
Frasch, Carl E., 383
Freney, Jean, 140
Frey, D. E., 639
Friedman, Franklin, 834
Friedman, Herman, 834
Fuchs, Peter C., 555
Fuksa, Milan, 541
Fukushima, Hiroshi, 616
Fulton, Robert W., 492
Fung, Joan C., 714

Gadberry, J. L., 926
Gadebusch, Hans H., 207
Garrett, Connie R., 915
Gartner, Toni, 949
Gavan, Thomas L., 777
Gaydos, J. Michael, 279
Geist, Linda L., 427
Georges, A. J., 571
Georges, M. C., 571
Geraci, Corrada, 838
Gerding, Dale N., 915
Gerega, Gairo, 526
Gerna, Giuseppe, 273
Getty, B., 566
Giger, Olarae, 68
Gil, Gail M., 83
Gilbert, Gwendolyn L., 865
Giordano, Alessandra, 838
Gleaves, Curt A., 917
Goldstein, Jack, 714
Goodman, Hannah, 844
Goossens, Herman, 940
Gorman, George W., 286
Gourley, Nancy E. Kelso, 623
Gracey, Michael, 39
Grandien, M., 225
Gratten, Mike, 526
Greco, Ralph S., 1
Greenberg, Harry, 516
Greer, Sharon C., 427
Gresser, Mary E., 915
Grewell, Chris M., 315
Grossbard, Barbara L., 844
Groves, David J., 215
Guenther, Kristine L., 97
Gunn, Robert A., 296

Hadler, Stephen C., 521

Hadley, W. Keith, 73, 380
Hammond, Gregory W., 439
Hamoudi, Ayser C., 333
Handsfield, H. Hunter, 218
Hansen, W., 902
Hansen, Willy, 568
Hare, Roberta S., 311
Harington, Brian J., 279
Harrell, W. Knox, 576
Harvey, Richard A., 1
Hatch, M. H., 826
Hausler, William J., Jr., 849
Hazelton, Paul R., 439
Heald, James I., 164
Hébert, G. Ann, 116
Hedström, Sven Åke, 680
Henry, Nancy K., 97, 315
Herrmann, John E., 399
Herzog, Christian, 511
Heyward, William L., 521
Hickman-Brenner, F. W., 460
Hickman-Brenner, Frances W., 100
Hierholzer, J. C., 826
Hierholzer, John C., 934
Highsmith, Anita K., 17
Hirsh, Dwight C., 610
Hishiyama, M., 21
Hochstein, Lisa, 733
Hodge, Donna S., 434
Hoeprich, Paul D., 144
Hoffman, Paul S., 286
Høiby, Niels, 757
Hollick, Gary E., 301
Holmberg, Scott D., 100
Holmes, King K., 399, 818
Hood, Mary, 296
Horn, Stephen A., 705
Hosking, Clifford S., 447
Houghten, Richard A., 798
Howe, Stephen E., 473
Hsu, L. C., 361
Hudson, Jerry D., 849
Hudson, Richard, 888
Huntley-Carter, G. P., 460
Huong, Alan Y., 221
Hurme, Mikko, 129
Hussain, Zafar, 215
Hutchinson, D. N., 169
Hyypiä, Timo, 436

Iacono, Vincent J., 844
Iitsuka, Setsuko, 616
Ilstrup, Duane M., 283
Imam, Imam Z., 210
Innis, V. A., 946
Inouye, Sakae, 259
Isenberg, Henry D., 366, 733
Issel, C. J., 351

Jackson, Earl, Jr., 707
Jacobs, Michael R., 164, 588
Jacobson, Richard H., 442
Jahrling, Peter B., 429
Jalbert, Maxine, 404
Janda, J. Michael, 39, 44, 122
Janda, William M., 338
Jang, Spencer S., 610
Janssens, Michèle, 940
Jarvis, William R., 17
Jeansson, S., 235
Jeffery, Lynn, 175
Jenkins, K. E., 552
Jesudason, Mary V., 712
Jilly, B. J., 592
Jodal, U., 264
Johnson, Dwight R., 506
Johnson, Scott, E., 81
Jones, C. J., 946
Jones, Ronald N., 134, 311, 555, 777
Jungkind, Donald L., 191

Kabat, W. J., 552
Kai, Akemi, 772
Kaijser, B., 264
Kane, Mark A., 521
Kapikian, Albert, 516
Kapperud, G., 157
Kapperud, Georg, 153
Karam, George H., 26
Kaufman, Leo, 404
Kawaoka, Yoshihiro, 616, 754
Keller, Kenneth F., 48, 383, 594
Kelly, Mary C., 245
Kelly, Michael T., 318, 529
Kettering, James D., 147
Kibue, Ali, 579
Kiehn, Timothy E., 766
Kish, Mary Ann, 947
Kleger, Bruce, 435
Klein, George C., 81
Klein, Thomas, 834
Kline, Jane B., 457
Klipstein, Frederick A., 798
Klisko, Brian, 439
Knapp, Joan S., 63, 818
Knowlton, Douglas R., 748
Kogos, Christine, 703
Koornhof, Hendrik J., 175
Korsnes, Lars, 763
Kosunen, Timo U., 129
Krajden, Sigmund, 541
Kristiansen, Bjørn-Erik, 763
Kronvall, Göran, 680
Kuykendall, Randall J., 804

Lachica, R. Victor, 660
Lairscey, Royce G., 318
Lalitha, M. K., 712
Lally, Richard T., 464, 502
Lam, J. S, 8
Lam, K., 8
Lam, Selena, 87
Lambert, Mary Ann, 772
Land, Sally-Ann, 865
Lanier, Glen A., 923
Lannigan, Robert, 215
Larson, E. Heather, 893
La Scolea, Leonard J. Jr., 187
Lassen, J., 157
Lassen, Jørgen, 153
Laszlo, Adalbert, 694
Lau, Pauline Y., 326
Lauderdale, Patricia W., 538
Lauwers, S., 157
Lebeau, L. J., 592
Lee, Albert, 541
Lee, John V., 175, 296
Lee, Y. J., 89
Lema, Michael, 326
Lemarie, J. C., 240
Lesmana, Murad, 39
Leventhal, Sylvia, 880
Levin, Myron J., 880
Levy, Rebecca A., 561
Lewis, John E., 147
Lichenga, Edward O., 579
Lieb, Spencer, 296
Lieberman, Michael, 942
Lindberg, Alf A., 699
Lindqvist, Bjørn, 763
Linnemann, Calvin C., Jr., 361
Lipsitz, Philip, 366
Lishman, Angela H., 77
Liu, Francis, 546
Lizewski, Walter, 541
Louie, Thomas J., 294
Lund, Jennifer S., 447
Lund, Vera, 763
Lupiwa, Tony, 526
Lycke, E., 235

MacKay, Bruce J., 844
Madden, D. L., 89
Maddux, Roxanna L., 427
Madeddu, Maria A., 838
Mahony, J., 937
Makino, Yoshihiro, 579
Malcolm, Georgia B., 286
Maniar, Atish C., 294
Mann, Jonathan M., 197
Mansour, James D., 453
Marcon, Mario J., 333
Marier, Robert L., 703
Marko, M. A., 342
Marmet, Danièle, 140
Marrie, Thomas J., 687, 911
Martin, Robert, 893
Maruyama, Tsutomu, 754
Masters, Helen A., 880
Mathews, Henry M., 221
Matsen, John M., 529, 742
Matsuno, Shigeo, 259
Mazens, Mary F., 300
McClane, Bruce A., 112
McCleskey, Ferne K., 538
McCormack, William M., 57
McDevitt, David A., 723
McDonald, Jeannette, 757
McDougal, Linda K., 482
McFarland, Albert, 489
McGlohn, M. S., 412
McKevitt, Aideen I., 291
McKinley, Geoffrey A., 714, 733
McKinney, Roger M., 468
McLimans, Carol A., 315
McNitt, Theodore, 942
Menegus, Marilyn A., 563
Mercer, Leo, 79
Merigan, Thomas C., 200
Merz, William G., 54
Meunier, D. M. V., 571
Miegel, Joanne, 649
Miliotis, Marianne D., 175
Miller, George H., 311
Miller, Robert V., 717
Mills, John, 200
Mills, K. W., 498
Minshew, Barbara H., 63
Miyazaki, Chiaki, 579
Mohieldin, Mohamed S., 210
Monno, Laura, 905
Monteiro, Edmund, 87
Montelaro, R. C., 351
Montgomery, Janet, 526
Moore, Douglas F., 548
Morello, Josephine A., 338, 529
Morgan, Margie A., 730
Morgan, Stephen L., 326
Morris, J. Glenn, Jr., 296
Morrow, Doreen L., 457
Moseley, Steven L., 489
Moss, C. Wayne, 30, 772
Moyer, Nelson P., 849
Mulks, Martha H., 63
Murphy, Bert L., 521
Murphy, M. Dianne, 376
Mutanda, Labius N., 579
Myoraku, Carolyn K., 606

Naguib, Tary, 210
Nair, G. Balakrish, 298
Nakamura, Rei, 616
Namba, Mami, 631
Naugle, Patricia A., 164
Nebout, N., 571
Nedjat-Haiem, F., 383
Nerurkar, Lata S., 631
Niklasson, B., 225
Noel, Isabele, 511
Norberg, Thomas, 699
Nouri, Nabil J., 789

Ohlin, Ann C., 57
Olofsson, S., 235
Olson, David A, 144
Orsi, Alessandra, 838
Otsuki, Koichi, 616, 754

Pal, S., 298
Pal, Sudhir C., 194, 298
Palko, William M., 164
Papasian, Christopher J., 347
Parks, Reginald M, 57
Parr, Thomas R., Jr., 558
Pasculle, A. William, 723
Passarani, Nilda, 273
Pastore, Giuseppe, 905
Patamaroj, Utumporn, 489
Patton, Charlotte, 772
Pavillard, E. R., 899
Peacock, Jack B., 79
Pearson, A. D., 342
Pearson, Gary R., 917
Peiris, J. S. M., 248
Peltre, Gabriel, 371
Penn, Robert L., 161
Penner, J. L., 342
Pepper, Carol E., 442
Percivalle, Elena, 273
Perez, Irene, 516
Perez, Mireya, 516
Perron, Dorothy M., 888
Peters, C. J., 225
Peterson, Lance R., 915
Pettersson, Ulf, 436
Petts, D. N., 432
Petts, David N., 4
Pfister, H., 34
Phillips, Edna A., 534
Picardi, James L., 296
Piemont, Yves, 417
Pierce, Michael J., 748
Pincus, David H., 427
Pine, Leo, 286
Ploton, Christine, 140
Pohlenz, Joachim F., 623
Polin, Richard A., 457
Pollock, Jerry J., 844
Polt, Sarah, 26
Pompei, Raffaello, 838

Potvliege, Catherine, 568
Poutrel, Bernard, 213
Prato, Catherine M., 230
Prenna, Manuela, 838
Price, John, 942
Prowant, Sharon, 853

Quall, Charles O., 502
Quinn, John P., 668
Quinn, Patricia A., 421

Rasmussen, Lucy, 200
Rasoamananjara, Dafinie, 417
Ratcliffe, Susan, 566
Raybould, T. J. G., 388
Record, Christopher O., 77
Rees, N., 248
Reigel, Franz, 870
Reiss, Errol, 804
Reitano, Maria, 44
Rekrut, Kathryn A., 561
Rennie, Robert P., 245
Repetto, Antonella, 838
Reverdy, Marie E., 140
Richet, H., 240
Richter, Thomas, 371
Riddle, Gerald D., 477
Ripa, Sandro, 838
Roberts, Ann, 296
Roberts, Glenn D., 126, 283
Roberts, Mark A., 197
Robertson, Janet A., 255, 857
Robinson, Jennifer, 39
Roe, Sherry L., 720
Rogers, Susan, 920
Rosef, O., 157
Rosenbluth, Jane, 668
Rosselli, Paola, 838
Roumillat, L. F., 267
Rowe, Bernard, 798
Rubero, Vivian J. Renta, 717
Rubin, Sally Jo, 920
Rudrik, James T., 744
Rüegg, O., 34
Russo, Giovanni, 838
Ryniewicz, Helena Z., 213

Sadler, Donna F., 594
Saha, Malay R., 194
Saif, Linda J., 105
Saitoh, Yoshihiko, 460
Sakata, H., 21
Sampson-Scherer, Jane, 733
Sanders, Charles V., 703
Sanders, R. C., 248
Santantonio, Teresa A., 905
Scazzocchio, Francesca, 838
Schable, Charles A., 521
Schachter, Julius, 57
Schiller, Neal L., 736
Schilt, Ueli, 870
Schmid, George P., 81
Schmidt, Nathalie J., 606
Schmitz, H., 664
Schram, James L., 453
Schreckenberger, P. C., 592
Schulte, Thomas H., 453
Schulze, Terry, 81
Scott, Fredric W., 442
Scott, Robert M., 651
Sen, Dipak, 194
Seriwatana, Jitvimol, 489
Sever, J. L., 89
Sever, John L., 631
Sewell, David L., 705
Shane, B. S., 351
Shanholtzer, Carol J., 915
Shekarchi, I. C., 89
Shibley, Mohammed, 77
Shirley, J. A., 248
Shungu, Daniel L., 207
Shuster, Elizabeth A., 917
Siddiqi, Salman H., 694
Siebeling, Ronald J., 181
Silberman, Ronald, 161
Sinclair, A. J., 896
Siopathis, M. R., 571
Sippel, John E., 230
Skeels, Michael R., 923
Skurrie, Ian J., 865
Slattery, J. F., 896
Slifkin, Malcom, 83
Smith, Claire, 599
Smith, D. J., 639
Smith, Ian D., 245
Smith, J. S., 267
Smith, Peter B., 529
Smith, Rodney F., 57
Smith, Thomas F., 730, 917
Socransky, S. S., 639
Socransky, Sigmund S., 599
Somerson, Norman L., 543
Southern, Paul M., 831
Spanne, Oddvar, 763
Spruance, S. L., 675
Stålhandske, Per, 436
Stamm, Walter E., 399
Stassi, Giovanna, 838
Steece, Richard S., 923
Steigerwalt, A. G., 460
Steigerwalt, Arnold G., 30
Stemke, Gerald W., 255
Stemler, Margaret E., 255
Stephan, Rudolf, 371
Stephenson, Edward H., 429
Stevens, Dennis, 942
Stock, Lawrence M., 736
Stockman, Leslie, 283
Stone, Y. O., 826
Stottmeier, Kurt D., 649
Strand, Calvin L., 550
Strong, Catherine A., 561
Strouse, Robert J., 112
Strumia, Renata, 931
Sturm, A. W., 672
Sugasawara, Renee J., 230
Sugiura, A., 21
Sulzer, K. R., 946
Sulzer, Katherine R., 944
Summers, Peter L., 651
Sumner, J. W., 267
Surgot, Maryse, 140
Surujballi, Om P., 394
Svennerholm, B., 235
Svenson, Stefan B., 699
Sweet, Richard L., 73
Swenson, Jana M., 321

Tacket, Carol O., 197
Tagg, John R., 884
Talley, Marilyn S., 923
Tang, Patrick W., 30
Tanino, Teruyo T., 218
Tanner, A. C. R., 639
Tapsall, John W., 534
Tardio, Joseph L., 783
Taubman, M. A., 639
Taylor, J. A., 926
Terro, Robert, 434
Thangavelu, C. P., 712
Theil, Kenneth W., 105
Thomason, Berenice M., 794
Thomson, Richard B., Jr., 97
Thornley, James H., 245
Thornsberry, C., 555
Thornsberry, Clyde, 134, 311, 321, 482, 777
Thouless, Margaret E., 710
Thumar, Bhavin, 54
Tielemans, Christian, 568
Tietze, K. L., 498
Tilton, Richard C., 529
Toma, Sandu, 30
Torhan, Nancy J., 191
Totten, Patricia A., 63
Trepeta, Richard W., 60, 172
Tsou, Cecilia, 934
Tsubokura, Misao, 616, 754
Tucci, Victor, 366
Tukei, Peter M., 579
Tung, Charlotte C. K., 707
Turnbull, Peter C. B., 175
Tyburski, Mary B., 714

Urbina, Gidalia, 516

Vahlne, A., 235
Vainionpää, Raija, 436
Van De Walle, Senta, 175
Vanzo, Shirley J., 97
Varaldo, Pietro E., 838
Vaughn, A. W., 946
Vickers, Richard M., 583
Virgili, Annarosa, 931

Wachsmuth, I. K., 571
Wachsmuth, I. Kaye, 100
Walla, Michael D., 326
Walls, Kenneth W., 221
Ward, Peter B., 899
Ward, Richard L., 748
Warford, Ann L., 561
Washington, John A., II, 97, 315
Wauters, Georges, 940
Wee, Siok-Bi, 356
Weigle, Kristen A., 376
Weil, Diane, 668
Weinberg, Ellen, 207
Weiss, Emilio, 305
Weissfeld, Alice S., 85
Welch, William D., 831
Wentworth, Berttina B., 893
Westfall, Helen N., 305
Westhoff, Dennis, 783
Whimbey, Estella, 766
White, Laura, 516
Wichmann, Sigrid, 204
Widen, Raymond, 834
Wiley, Carol A., 421
Williams, Tervor W., 294
Wilt, John C., 294
Wink, C., 926
Winn, Richard E., 538
Wirsing von Koenig, Carl H., 204
Wong, Brian, 766
Wood, Donna, 73
Wood, H. C., 248
Wood, Helen C., 511
Wood, O., 225
Woode, Gerald N., 623
Woods, Donald E., 291
Woolfrey, Bert F., 464, 502
Wright, Donald N., 546
Wyatt, Richard G., 210

Yajko, David M., 73, 380
Yamaguchi, Hideaki, 259
Yolken, Robert H., 356
Yourassowsky, Eugène, 568
Yu, Victor L., 583

Zaki, Ahmed M., 210
Zanen, H. C., 672
Zapata, M., 937
Zhu, Z.-T., 326
Zink, Don L., 660
Zipper, R., 926

SUBJECT INDEX

VOLUME 19

Abbott yeast identification system
  evaluation, 853
Accu-Staph test
  S. aureus identification, 703
Achromobacter spp.
  bacteremia, 947
  immunocompromised host, 947
Achromobacter xylosidans
  infection, 140
  nosocomial colonization, 140
Aeromonas spp.
  biotyping, 44
  disease spectrum, 44
  enterotoxin, 175
  hemagglutination patterns, 39
  isolation source, 175
  taxonomy, 175
Agar
  Adams and Roe, 85
  colistin-oxolinic acid-blood, 4
  Mueller-Hinton, 85
  streptococcus-selective, 4
  trimethoprim-sulfamethoxazole, 85
Agglutination
  Legionellaceae antibodies, 757
Alcaligenes-like bacteria
  differentiation from *Alcaligenes* reference strains, 477
Alcaligenes spp.
  differentiation from *Alcaligenes*-like bacteria, 477
  reference strains, 477
Alpha-toxin
  S. aureus, 394
Aminoglycosides
  measurement of levels in serum, 707
Amoebae
  antibodies, 221
  enzyme-linked immunosorbent assay, 221
Amphotericin B
  filamentous fungi, 54
  radiometric method, 54
α-Amylases
  measurement with *p*-nitrophenyl glycosides, 60
Anaerobes
  culture techniques
    coculture, 215
    S. pneumoniae detection, 550
  inoculum preparation, 318
  susceptibility testing, 318
Antibiotic stability
  cationic surfactants, 1
  polytetrafluoroethylene, 1
Antibodies
  amoebae, 221
  capture assays
    varicella-zoster virus, 606
  C. jejuni antigens, 129
  coronavirus, 442
  cytomegalovirus, 200
  echovirus 11 proteins
    immunoglobulins, 870
    reaction patterns, 870
  enterovirus 70, 826
  enzyme-linked immunosorbent assay, 200
  equine infectious anemia virus, 351
  flavivirus, 664
  hepatitis B virus
    core antigen, 521, 905
    surface antigen, 521
  immunoglobulin M, 905
  Legionellaceae, 757
  monoclonal
    C. trachomatis inclusions, 937
    cytomegalovirus detection, 917
    cytomegalovirus identification, 928
    fluorescent staining, 928
    immunofluorescence staining, 937
    rotavirus detection, 888
  polyclonal
    cytomegalovirus identification, 928
    fluorescent staining, 928
  rabies virus, 267
  respiratory syncytial virus specificity, 934
  Rift Valley fever virus, 225
  rotavirus, 516, 710
  rubella immunoglobulin G, 923
  staphylococcal lipoteichoic acid, 552
  teichoic acid, 511
Antigens
  biotinillated β-lactamase, 356
  C. jejuni, 129
  E. coli, 264
  enzyme labeled
    flavivirus, 664
  enzyme-linked immunosorbent assays, 89
  equine infectious anemia virus, 351
  gamma globulin, 89
  gonorrhea diagnosis, 399
  group B streptococci, 457
  hepatitis virus, 521, 905
  herpes simplex virus, 730
  H. influenzae type b, 333
  immunoglobulin M antibodies, 905
  L. pneumophila
    absorbed antisera, 794
    cellular immunity, 834
    lymphoid cell blastogenesis, 834
    variation, 794
  measles, 89
  meningococcal, 230
  microtiter plates, 89
  N. gonorrhoeae, 347
  P. aeruginosa, 736
  P. brasiliensis, 404
  polystyrene particles, 83
  Salmonella spp., 576, 699
  streptococcal
    group B Ibc protein, 506
    lectin-bound polystyrene particles, 83
  toxoplasma, 89
  U. urealyticum, 421
Apalcillin
  susceptibility testing, 777
API 20A anaerobe system
  C. difficile identification, 915
API NeIdent system
  B. catarrhalis, 338
  Neisseria spp., 338
API 20S system
  comparison with AutoMicrobic system, 164
  corynebacteria, 245
  Gram-Positive Identification Card, 164
  streptococci, 164
API STAPHase test
  comparative performance
    coagulase tests, 191
    SeroSTAT test, 191
  S. aureus identification, 191
API Staph-Ident system
  coagulase-negative staphylococci, 68
  comparative performance
    conventional methods, 68
    DMS Staph-Trac system, 68
    furazolidone and lysostaphin susceptibility, 875
    modified oxidase test, 875
  micrococci, 875
  staphylococci, 875
API 20 Strep system
  bovine mastitis, 213
  streptococci, 213
Arabinitol
  candidiasis, 804
  sarcoidosis patients, 26
Arthritis
  C. ochracea, 538
Astrovirus
  bovine ileum infection, 623
Autobac IDX system
  Enterobacteriaceae, 301
  gram-negative bacilli, 301, 529
AutoMicrobic system
  comparison with API 20S system, 164
  gram-negative isolates, 744
  P. aeruginosa susceptibility, 502
  S. aureus resistance to methicillin, 464
  streptococci, 164

Bacillus anthracis
  glycosidase activities, 594
  lectins, 48
Bacillus spp.
  lectins, 48
BACTEC system
  bacteremia detection, 634
  comparison with Isolator system, 634
  M. tuberculosis susceptibility, 720
Bacteremia
  Achromobacter spp., 947
  BACTEC system, 634
  immunocompromised host, 947
  Isolator system, 634
Bacteriuria
  laser nephelometry, 240
Bacteroides fragilis
  splenic abscess, 79
Bacteroides spp.
  enzyme-linked immunosorbent assay, 639
  glutamic acid decarboxylase test, 592
  serotyping, 639
Biotin-avidin system
  respiratory syncytial virus antibodies, 934
Biotyping
  Aeromonas spp., 44
Bone infections
  P. pneumotropica, 926
Bovine ileum infections
  astrovirus, 623
  Breda virus, 623
Bovine mastitis
  API 20 Strep system, 213

streptococci, 213
Bovine serum albumin glycoconjugate
coagglutination, 699
immunofluorescence, 699
Salmonella spp.
antigen O3, 699
serogroup E, 699
Brain heart infusion biphasic medium
comparative evaluation
Septi-Chek blood culture, 315
tryptic soy broth, 315
Branhamella catarrhalis
API NeIdent system, 338
Breda virus
bovine ileum infection, 623
Brucella abortus
cellular fatty acids, 896
differentiation from *B. ovis*, 896
gas-liquid chromatography, 896
Brucella ovis
cellular fatty acids, 896
differentiation from *B. abortus*, 896
gas-liquid chromatography, 896

CAMP factor
false-positive reactions, 534
S. pyogenes streptolysin O, 534
Campylobacter jejuni
antigens, 129
chromosomal restriction endonuclease analysis, 342
medium
preservation, 298
selective, 169
monoclonal antibodies, 129
serotyping, 342
Campylobacter spp.
biotyping, 157
cellular fatty acid composition, 772
enteritis, 153
epidemiology, 153
isoprenoid quinone content, 772
serotyping, 157
Candida lusitaniae
susceptibility testing, 412
Candida norvegensis
susceptibility testing, 412
Candida tropicalis
susceptibility testing, 412
Candidiasis
arabinitol, 804
mannose, 804
serum mannan, 804
Capnocytophaga ochracea
septic arthritis, 538
Cardiac pacemakers
bacterial attachment, 911
Cationic surfactants
antibiotic stability, 1
polytetrafluoroethylene, 1
Cell culture
rotavirus propagation, 748
Cerebrospinal fluid
bacterial isolates, 144
bacterial quantitation, 187
meningitis, 187
Chlamydia trachomatis
immunofluorescence, 937
inclusions, 937
monoclonal antibodies, 937
Chromogenic substrates
N. gonorrhoeae identification, 380
Clostridium botulinum
enzyme-linked immunosorbent assay, 645
toxin, 645
Clostridium difficile
identification
API 20A anaerobe system, 915
neonates, 77
toxin
HeLa cell assay, 294
McCoy cell monolayers, 294
Clostridium perfringens
enterotoxin, 112
enzyme-linked immunosorbent assay, 112
Clostridium spp.
glutamic acid decarboxylase test, 592
Coagglutination
E. coli enterotoxin, 194
Salmonella spp.
antigens, 576, 699
bovine serum albumin glycoconjugate, 699
serogroup E, 699
V. cholerae detection, 712
Coagulase tests
comparative performance
API STAPHase test, 191
SeroSTAT test, 191
S. aureus identification, 191
Coculture techniques
anaerobe identification, 215
Complement fixation
cytomegalovirus immunity, 147
enterovirus 70 antibodies, 826
Coronavirus
antibody titers in cats
vaccination, 442
bovine enteric, 388
enzyme-linked immunosorbent assay, 388
Corynebacteria
API 20S system, 245
Corynebacterium group JK
semiselective medium, 204
Counterimmunoelectrophoresis
rotavirus detection, 439
Counterimmunofluorescence
comparison with enzyme-linked immunosorbent assay, 511
teichoic acid antibodies, 511
Cryptosporidium oocysts
electron microscopy, 566
negative staining, 566
Cryptosporidium spp.
dimethyl sulfoxide, 952
staining, 952
Cultureset system
herpes simplex virus, 705, 920
Cystic fibrosis
Legionellaceae antibodies, 757
P. aeruginosa
antibodies, 757
mucoid conversion, 717
P. cepacia, 291
Cytomegalovirus
antibodies, 200, 928
complement fixation, 147
detection
centrifugation, 917
monoclonal antibody, 917
MRC-5 cells, 917
enzyme-linked immunosorbent assay, 147, 200
fluorescent-antibody assay, 147
fluorescent staining, 928
hemagglutination, 147
homosexual men, 200
identification, 928
immunity, 147

Dade rapid plasma reagin card test
low-titer serum reactivity, 435
Dengue virus
vaccine
antibody response, 651
radioimmunoassays, 651
Diarrhea
enteric pathogens, 571
Dimethyl sulfoxide
Cryptosporidium staining, 952
Diptheria
environmental contamination, 668
outbreaks, 668
DMS Staph-Trac system
coagulase-negative staphylococci, 68
comparative performance
API Staph-Ident system, 68
conventional methods, 68
DNA hybridization
E. coli enterotoxin, 489
Dynatech MR 580 Microplate Reader
evaluation, 300

Echovirus 11
antibodies
immunoglobulins, 870
proteins, 870
reaction patterns, 870
Electron capture gas chromatography
Rochalimaea fatty acids, 305
Electron microscopy
Cryptosporidium oocysts, 566
indwelling-catheter colonization, 687
rotavirus detection, 439
Electrophoresis
rotavirus genomic RNA, 579
Elek test
E. coli enterotoxin, 194
Endotoxins
lipid emulsion, 17
Enteric pathogens
diarrhea, 571
Enteritis
Campylobacter spp., 153, 157
epidemiology, 153
Enterobacteriaceae
agar dilution, 899
Autobac IDX system, 301
M. wisconsensis isolation, 460
sulfamethoxazole-trimethoprim, 899
Enterotoxins
Aeromonas spp., 175
coagglutination, 194
C. perfringens
E. coli, 194, 371, 408, 489, 798
Elek test, 194
enzyme-linked immunosorbent assays, 34, 112, 194
staphylococcal, 34
V. cholerae, 371
Enterovirus
antibody quantitation
complement fixation, 826

hemagglutination inhibition, 826
microneutralization, 826
standard neutralization, 826
spot hybridization, 436
Enzymatic radioimmunoassays
influenza A virus diagnosis, 361
Enzyme immunoassays
biotinillated β-lactamase, 356
gonorrhea, 57
hybridoma culture fluids, 267
N. gonorrhoeae antigens, 347
rabies virus antibody, 267
rotavirus detection, 439
rubella immunoglobulin G antibody, 923
Enzyme-linked immunosorbent assays
amoeba antibodies, 221
Bacteroides spp. serotyping, 639
bovine enteric coronavirus, 388
C. botulinum toxin, 645
comparison with counterimmunofluorescence, 511
C. perfringens enterotoxin, 112
cytomegalovirus
antibodies, 200
immunity, 147
E. coli enterotoxin, 371, 798
equine infectious anemia virus
antibody, 351
antigen, 351
gamma globulin antigen, 89
GM1-horseradish peroxidase
E. coli enterotoxin, 194
herpes simplex virus
antigen, 730
infection diagnosis, 865
type-selective, 235
H. pomatia antigens, 235
immunoglobulin A antibodies, 259
K99-positive *E. coli*, 498
lysozyme, 844
measles
antigen, 89
virus immunity, 376
meningococcal antigens, 230
microtiter plates, 89
monoclonal antibodies, 230, 248
mumps vaccines, 21
nitrocellulose, 371
P. aeruginosa antigens, 736
polyclonal antibodies, 248
Rift Valley fever virus antibodies, 225
rotavirus
antibodies, 447
antigens, 259
detection, 248
S. aureus
alpha-toxin, 394
serology, 680
standard-curve units, 447
staphylococcal enterotoxins, 34
teichoic acid antibodies, 511
toxoplasma antigen, 89
U. urealyticum serotype antibodies, 421
V. cholerae enterotoxin, 371
Equine infectious anemia virus
antibody, 351
antigen, 351
enzyme-linked immunosorbent assay, 351
Escherichia coli
antigen, 264
coagglutination, 194
DNA hybridization, 489
Elek test, 194
enterotoxin, 194, 371, 408, 489, 798
enzyme-linked immunosorbent assay, 194, 371, 498, 798
K99 pili, 498
methylumbelliferyl-β-D-glucuronide-based medium, 172
O126, 408

Fatty acids
B. abortus, 896
B. ovis, 896
Campylobacter spp., 772
gas-liquid chromatography, 896
Filamentous fungi
amphotericin B, 54
radiometric method, 54
Flaviviruses
antibody, 664
enzyme-labeled antigens, 664
Fluorescent-antibody assays
comparison, 468
cytomegalovirus immunity, 147
Legionella spp., 468
Fluorescent end products
β-lactamase detection, 818
Fluorescent staining
bacteria in blood, 453
cytomegalovirus identification, 928
Fluorescent treponemal antibody-absorbed test kits
comparative evaluation, 789
Fungemia
conventional blood culture system, 126
Isolator blood culture system, 126

Gas chromatography
Legionellaceae carbohydrates, 326
L. pneumophila carbohydrates, 326
Gas-liquid chromatography
B. abortus, 896
B. ovis, 896
cellular fatty acids, 896
Gastroenteritis
monoclonal antibodies, 516
rotavirus, 516
Gastrointestinal disease
V. cholerae O group 1, 296
Genomic RNA
electrophoresis, 579
rotavirus, 579
Glutamic acid decarboxylase test
Bacteroides spp. identification, 592
Clostridium spp. identification, 592
Glycosidase activity
B. anthracis,, 594
Gonorrhea
antigen detection, 399
diagnosis, 399
enzyme immunoassay, 57
Gonozyme system
N. gonorrhoeae detection, 893
Gram-negative bacilli
Autobac IDX system, 301, 529
AutoMicrobic system, 744

Haemophilus ducreyi
characteristics in culture, 672
Haemophilus influenzae
biotypes
distribution, 526
relation to serotype, 526
upper respiratory tract infection, 526
type b
antigen detection methods, 333
HeLa cell assay
C. difficile assay, 294
Helix pomatia antigens
enzyme-linked immunosorbent assay, 235
Hemagglutination
Aeromonas spp., 39
cytomegalovirus immunity, 147
syphilis, 849
treponemal, 849
Hemagglutination inhibition
enterovirus 70 antibodies, 826
Hepatitis virus
antibodies, 521
antigens, 521
core antigen
antibody measurement, 905
immunoglobulin M antibodies, 905
low-positive test results, 521
Herpes simplex virus
antigen, 730
Bartels Immunodiagnostics system, 705
detection
Cultureset, 705, 920
human embryonic lung fibroblasts, 563
primary rabbit kidney cells, 563, 920
diagnosis
enzyme-linked immunosorbent assay, 865
direct staining, 631
enzyme-linked immunosorbent assay, 235, 730
genital infections
oral excretion, 675
pathogenesis, 675
isolation
human fibroblast cells, 548
primary rabbit kidney cells, 548
tissue culture
staining, 631
standard, 631
Homosexual men
cytomegalovirus antibodies, 200
Human embryonic lung fibroblasts
herpes simplex virus detection, 563
Human fibroblast cells
herpes simplex virus isolation, 548
Hypertonic broth diluent
microdilution panels, 473
staphylococcal resistance to oxacillin, 473

Immunofluorescence
C. trachomatis inclusions, 937
monoclonal antibodies, 937
Salmonella spp.
antigen O3, 699
bovine serum albumin glycoconjugate, 699
serogroup E, 699
Immunoglobulins
G
antibodies, 870
echovirus 11 proteins, 870
reaction patterns, 870
M
antibodies, 870

echovirus 11 proteins, 870
hepatitis B core antigen, 905
reaction patterns, 870
Immunoperoxidase assays
Bartels Immunodiagnostics system, 705
Cultureset system, 705
herpes simplex virus, 705
Indwelling catheters
bacterial colonization
electron microscopy, 687
Influenza virus
diagnosis, 361
enzymatic radioimmunoassay, 361
Interferon
bovine
antiviral effects, 492
respiratory tract viruses, 492
Isolator blood culture system
comparison
BACTEC system, 634
conventional blood culture system, 126
culture contamination, 97
fungemia, 126
1.5 Microbial tube
bacteremia detection, 634
Isoprenoid quinones
Campylobacter spp., 772

β-Lactamases
antigen detection, 356
detection
fluorescent end products, 818
enzyme immunoassay, 356
β-Lactams
measurement of drug levels in serum, 707
Laser nephelometry
bacteriuria, 240
Latex agglutination
blood cultures, 649
pneumococcus detection, 649
streptococcus detection, 432
Y. enterocolitica hydrophobicity, 660
Lectins
Bacillus spp., 48
B. anthracis, 48
Neisseriaceae interaction, 383
N. gonorrhoeae identification, 380
Legionella bozemanii
serogroup, 2, 30
transmission electron microscopy, 116
Legionellaceae
agglutination, 757
antibodies, 757
aromatic substrates, 583
carbohydrates, 326
cystic fibrosis patients, 757
differentiation, 583
disk diffusion, 723
erythromycin-resistant, 723
fluorescence, 583
gas chromatographic analysis, 326
P. aeruginosa cross-reacting antibodies, 757
pigment production, 583
Legionella dumoffii
transmission electron microscopy, 116
Legionella micdadei
disk diffusion, 723
erythromycin-resistant, 723
transmission electron microscopy, 116
Legionella pneumophila
antigens
cellular immunity, 834
lymphoid cell blastogenesis, 834
carbohydrates, 326
gas chromatographic analysis, 326
peroxidase test, 286
serogroup 1
absorbed antisera, 794
antigenic variation, 794
transmission electron microscopy, 116
Legionella spp.
fluorescent-antibody assays, 468
lung tissue specimens, 468
Leptospira interrogans
serovars, 944, 946
Lipid emulsion
bacterial growth, 17
endotoxin production, 17
Lipopolysaccharides
N. gonorrhoeae, 558
N. meningitidis, 558
Lyme disease
etiological agent, 81
selective medium, 81
Lymphoid cell blastogenesis
L. pneumophila antigens, 834
Lysis-centrifugation
blood culture
quantitation, 766
tube, 97
culture contamination, 97
Du Pont
bacterial recovery, 283
fungal recovery, 283
Isolator, 97
septicemic patients, 766
Lysozyme
enzyme-linked immunosorbent assay, 844
human saliva
parotid, 844
submandibular-sublingual, 844

Manganese
U. urealyticum
growth, 857
morphology, 857
Mannose
candidiasis, 804
McCoy cell monolayers
C. difficile toxin, 294
Measles virus
enzyme-linked immunosorbent assay, 376
immunity, 376
Medium
A7B, 73
Antimicrobial Removal Device, 207
aromatic substrates, 583
BACTEC 16B, 207
chocolate agar, 218
C. jejuni
isolation, 169
preservation, 298
colistin-nalidixic acid agar, 714
colistin-oxolinic acid-blood, 4
Corynebacterium group JK, 204
E, 73
E. coli, 172
imipenem, 207
Legionellaceae differentiation, 583
Martin-Lewis, 63
methylumbelliferyl-β-D-glucuronide-based, 172
Mycoplasma spp., 73
N. cinerea characterization, 63
N. gonorrhoeae isolation, 218
norfloxacin, 207
NYC, 73
P. aeruginosa pigment production, 742
PPLO, 73
salmonella isolation, 940
selective for pathogenic *Neisseria* spp., 63
selective-motility enrichment, 940
streptococcus-selective, 4
Thayer-Martin, 218
Thiol broth, 207
vancomycin-free selective, 218
V. urealyticum, 73
Meningitis
bacterial quantitation, 187
P. aeruginosa
uronic acid capsular material, 942
Methylumbelliferyl-β-D-glucuronide
E. coli, 172
Microdase disks
comparison with API Staph-Ident system, 875
Microdilution panels
hypertonic broth diluent, 473
staphylococcal resistance to oxacillin, 473
Microenzyme-linked immunosorbent assays
staphylococcal lipoteichoic acid antibody, 552
Microneutralization
enterovirus 70 antibodies, 826
Microtiter plates
antigens
gamma globulin, 89
measles, 89
toxoplasma, 89
enzyme-linked immunosorbent assays, 89
Moellerella wisconsensis
isolation from stool specimens, 460
Monoclonal antibody sandwich enzyme assay
group B streptococcal antigen, 457
MRC-5 cells
cytomegalovirus detection, 917
Mumps vaccines
enzyme-linked immunosorbent assay, 21
neutralization tests, 21
Mycobacterium thermoresistibile
immunocompromised host, 546
Mycobacterium tuberculosis
BACTEC system, 720
p-nitro-α-acetylamino-β-hydroxypropiophenone, 694
radiometric differentiation test, 694
susceptibility testing, 720
Mycoplasmas
rapid counting, 543
staining procedure, 543
Mycoplasma spp.
isolation media, 73

National Committee for Clinical Laboratory Standards

ASM-2 standard, 783
Neisseriaceae
lectin interaction, 383
Neisseria cinerea
Martin-Lewis medium, 63
Neisseria gonorrhoeae
antigens, 347
detection
Gonozyme system, 893
Transgrow system, 893
enzyme immunoassay, 347
identification
chromogenic substrates, 380
lectins, 380
isolation media, 218
lipopolysaccharide banding patterns, 558
triple-site culturing, 949
Neisseria meningitidis
chromosomal DNA, 763
lipopolysaccharide banding patterns, 558
restriction endonuclease fingerprinting, 763
Neisseria spp.
API NeIdent system, 338
Neonates
C. difficile, 77
Neutralization tests
mumps vaccines, 21
p-Nitro-α-acetylamino-β-hydroxypropiophenone
M. tuberculosis differentiation, 694
radiometry, 694
p-Nitrophenyl glycosides
α-amylase measurement, 60
Nosocomial infections
A. xylosidans, 140
S. pyogenes, 366
Novobiocin test
staphylococci, 279

Oral infections
Simonsiella filaments, 931

Paracoccidioides brasiliensis
antigen production, 404
Pasteurella pneumotropica
bone infections, 926
Peroxidase test
L. pneumophila identification, 286
Pneumococci
latex agglutination, 649
Polymyxins
staphylococcal resistance, 714
Polysaccharide-protein conjugates
V. cholerae serotyping, 181
Polystyrene particles
streptococcal antigens, 83
Polytetrafluoroethylene
antibiotic stability, 1
cationic surfactants, 1
Precept microdilution MIC system
evaluation, 318
Primary rabbit kidney cells
herpes simplex virus
detection, 563, 920
isolation, 548
Protease
U. urealyticum, 255
Proteus penneri
urinary calculi formation, 541
Pseudomonas aeruginosa
antibodies, 757
antigens, 736
AutoMicrobic system, 502
culture conditions, 8
cystic fibrosis patients, 717
enzyme-linked immunosorbent assay, 736
Legionellaceae cross-reacting antibodies, 757
meningitis
uronic acid capsular material, 942
mucoid growth mode, 8
netilmicin disks, 311
phage mucoid conversion, 717
pigment production, 742
plating medium, 742
susceptibility, 502
susceptibility testing, 311
Pseudomonas cepacia
cystic fibrosis patients, 291

Rabies virus
antibody, 267
Eastern chipmunk, 281
enzyme immunoassay, 267
hybridoma culture fluids, 267
Radioimmunoassays
dengue virus vaccine, 651
S. aureus serology, 680
Radiometric methods
amphotericin B, 54
filamentous fungi, 54
M. tuberculosis differentiation, 694
p-nitro-α-acetylamino-β-hydroxypropiophenone, 694
Rapid Strep system
streptococcus identification, 588
Respiratory syncytial virus
antibodies, 934
biotin-avidin system, 934
Respiratory tract infections
H. influenzae biotype distribution, 526
Respiratory tract viruses
bovine
interferon, 492
Restriction endonucleases
fingerprinting, 763
N. meningitidis, 763
Restriction enzymes
C. jejuni outbreak, 342
Rift Valley fever virus
antibodies, 225
enzyme-linked immunosorbent assay, 225
Rochalimaea spp.
electron capture gas chromatography, 305
fatty acids, 305
nonanoic acid, 305
Rotavirus
antigens
enzyme-linked immunosorbent assay, 259
human
antibodies, 447
counterimmunoelectrophoresis, 439
cultivation, 210
detection with monoclonal antibody, 888
electron microscopy, 439
electrophoresis, 579
enzyme immunoassay, 439
enzyme-linked immunosorbent assay, 248, 447
gastroenteritis, 516
genomic RNA, 579
monoclonal antibodies, 516
propagation in cell culture, 748
serotyping, 273
solid-phase immune electron microscopy, 273
subgrouping, 210
subgroups, 516
porcine
antigenic comparison, 105
isolation, 105
serotyping, 105
rabbit
antibodies, 710
Rubella
enzyme immunoassay, 923
immune status in borderline specimens, 923
immunoglobulin G antibodies, 923

Salmonella spp.
antigens
bovine serum albumin glycoconjugate, 699
coagglutination, 576, 699
identification, 699
immunofluorescence, 699
reagent preparation, 576
isolation
selective-motility enrichment media, 940
serogrouping
bovine serum albumin glycoconjugate, 699
coagglutination, 699
immunofluorescence, 699
Salmonella typhimurium
phage typing, 100
plasmid profile, 100
susceptibility testing, 100
Sarcoidosis
D-arabinitol levels, 26
Semiautomated techniques
subgingival isolates, 599
Septicemia
blood culture quantitation, 766
lysis-centrifugation, 766
Septi-Chek blood culture
comparative evaluation
brain heart infusion biphasic medium, 315
tryptic soy broth, 315
SeroSTAT test
comparative performance
API STAPHase test, 191
coagulase tests, 191
S. aureus identification, 191, 703
Serovars
L. interrogans, 944, 946
Serratia ficaria
isolation, 902
Serum mannan

candidiasis, 804
Shigella flexneri
splenic abscess, 79
Simonsiella spp.
isolation from oral cavities, 931
Solid-phase immune electron microscopy
rotavirus serotyping, 273
Splenic abscess
B. fragilis, 79
S. flexneri, 79
Spot hybridization
enterovirus, 436
Sputum
microscopic evaluation, 161
refrigeration, 161
Staining procedures
Cryptosporidium oocysts, 566
herpes simplex virus detection, 631
mycoplasma colonies, 543
Standard neutralization
enterovirus 70 antibodies, 826
Staphylatex test
S. aureus identification, 703
Staphylococci
coagulase-negative
API Staph-Ident system, 68
colistin-nalidixic acid agar, 714
conventional identification, 60
DMS Staph-Trac system, 68
novobiocin test, 279
polymyxin susceptibility, 714
coagulase-positive
species distribution in animals, 610
differentiation from micrococci
API Staph-Ident system, 875
furazolidone and lysostaphin susceptibility, 875
modified oxidase test, 875
enterotoxins, 34
enzyme-linked immunosorbent assays, 34
heteroresistant
susceptibility testing, 482
hypertonic broth diluent, 473
lipoteichoic acid antibody, 552
microdilution panels, 473
microenzyme-linked immunosorbent assay, 552
oxacillin resistance detection, 473
Staphylococcus aureus
Accu-Staph test, 703
alpha-toxin, 394
API STAPHase test, 191
AutoMicrobic system, 464
coagulase tests, 191
enzyme-linked immunosorbent assay, 394
exfoliative toxin, 417
hospitalized patients, 417
infections
teichoic acid antibodies, 511
methicillin
disk diffusion, 813
resistance, 464
temperature-dependent susceptibility, 831
serology
enzyme-linked immunosorbent assay, 680
solid-phase radioimmunoassay, 680
SeroSTAT test, 191, 703
Staphylatex test, 703
Staphyloslide test, 703
Staphylococcus spp.
clinical distribution, 838
identification, 838
susceptibility, 838
Staphyloslide test
S. aureus identification, 703
Streptococci
antigens, 83
API 20S system, 164
API 20 Strep system, 213
AutoMicrobic system, 164
bovine mastitis, 213
group A
bacteriocin-like inhibitors, 884
nephritogenic M types, 884
group B
antigen, 457
Ibc protein antigen determinants, 506
monoclonal antibody sandwich enzyme assay, 457
latex agglutination, 432
polystyrene particles, 83
Rapid Strep system, 588
selective medium, 4
Streptococcus pneumoniae
detection
anaerobic culture technique, 550
Streptococcus pyogenes
nursery epidemic, 366
streptolysin O, 534
Subgingival isolates
semiautomated technique, 599
Susceptibility testing
agar dilution system, 899
amphotericin B, 412
ampicillin-sulbactam disks
interpretive standards, 134
quality control limits, 134
apalcillin, 777
AutoMicrobic system, 502, 744
BACTEC system, 720
C. lusitaniae, 412
C. norvegensis, 412
C. tropicalis, 412
disk diffusion
Legionellaceae, 723
L. micdadei, 723
recommendations, 482
S. aureus resistance to methicillin, 813
Dynatech MR 580 Microplate Reader, 300
Enterobacteriaceae, 899
5-fluorocytosine, 412
gram-negative isolates, 744
heteroresistant staphylococci, 482
inoculum preparation, 318
interpretive criteria, 311, 777
ketoconazole, 412
miconazole, 412
M. tuberculosis, 720
NCCLS ASM-2 standard, 783
netilmicin disks, 311
P. aeruginosa, 311, 502
Precept microdilution MIC system, 318
quality control limits, 777
sulfamethoxazole-trimethoprim, 899
ticarcillin-clavulanic acid, 555
UniScept test, 733
Syphilis
hemagglutination treponemal test, 849
Teichoic acid
antibodies, 511
counterimmunofluorescence, 511
enzyme-linked immunosorbent assay, 511
Toxins
C. botulinum, 645
Transgrow system
N. gonorrhoeae detection, 893
Transmission electron microscopy
L. bozemanii, 116
L. dumoffii, 116
L. micdadei, 116
L. pneumophila, 116
Transporter
virus isolation, 561
Trimethoprim-sulfamethoxazole
susceptibility testing media
Adams and Roe, 85
Mueller-Hinton, 85
Triple-site culturing
N. gonorrhoeae, 949
Tryptic soy broth
comparative evaluation
brain heart infusion biphasic medium, 315
Septi-Chek blood culture, 315
UniScept test
evaluation, 733
Ureaplasma urealyticum
antibodies, 421
enzyme-linked immunosorbent assay, 421
immunoglobulin A protease activity, 255
isolation media, 73
manganese effects
growth, 857
morphology, 857
serotypes, 421
Urinary tract infections
P. penneri, 541
Uronic acid
capsular material, 942
P. aeruginosa meningitis, 942
Vaccines
dengue virus
antibody response, 651
radioimmunoassays, 651
Vancomycin
measurement of levels in serum, 707
Varicella-zoster virus
antibody class capture assays, 606
isolation, 880
Venezuelan equine encephalitis virus
vaccines, 429
Vibrio cholerae
coagglutination, 712
enterotoxin, 371
enzyme-linked immunosorbent assay, 371
gastrointestinal disease, 296
O group 1, 296
polysaccharide-protein conjugates, 181
serotyping, 181
Vibrio parahaemolyticus
isolation, 87

Vibrio vulnificus
comparative studies, 122
laboratory diagnosis, 122
wound infections, 197

Wound infections
V. vulnificus, 197

Yeasts
clinical veterinary sources, 427
Yersinia enterocolitica
hydrophobicity, 660
latex agglutination, 660
Yersinia pseudotuberculosis
characterization, 754
isolation from animals, 754
pathogenicity, 754
Yersinia spp.
systematic study in dogs, 616